

Abstract

SYSTEM AND METHOD FOR ALIGNING DATA
BETWEEN LOCAL AND REMOTE SOURCES THEREOF

The communication system includes two communication channels for communication of protection and control information between two protective relays on a power line portion of an electric power system. A switch provided at the receiving relay connects one communication channel and provides a connecting link between the communication channel and the receiving relay. The transmitted data is applied on both communication channels and processed substantially identically. When the one communication channel is indicated to be faulty, the switch in the receiving relay is operated to connect the second communication channel, thereby substantially preventing delay in the receipt of the data from the transmitting relay.